

**Michelle Gladstone**  
mgladstone@umass.edu

### **Education**

Bachelor of Science, Biochemistry and Molecular Biology; **GPA: 3.46**  
College of Natural Sciences  
University of Massachusetts Amherst Candidate, May 2018  
Amherst, MA

### **Research Experience**

Summer Neuroscience Undergraduate Research Fellowship (Summer 2017)  
Studying Sex Differences in Habit Formation After Exposure to 240 Reinforcers  
Dr. Professor Smith, University of Colorado

Undergraduate Research Assistant (January 2016-Present, Summer 2016)  
Characterization of Neuronal Populations in Rats During a Two-Alternative Forced Choice Task  
Dr. Elena Vazey, University of Massachusetts Amherst

Undergraduate Research Assistant (September 2015-December 2015)  
Uncovering Mechanisms that Underlie Unique Human Abilities such as Abstract Mathematical Representation  
Dr. Joonkoo Park, University of Massachusetts Amherst

### **Teaching & Mentorship**

Teaching Assistant (Spring 2017)  
Biochemistry 190B: Biochemistry and Molecular Biology Majors Seminar  
Dr. Amy Springer, University of Massachusetts Amherst

Peer Mentor (September 2016-Present)  
Biochemistry and Molecular Biology Department  
Dr. Amy Springer and Valerie Miller, University of Massachusetts Amherst

### **Leadership Experience**

General Member; Research Subcommittee (Spring 2016-2018)  
Student Wellness Advisory Board  
Tommy Thompson, Sean Chen, & Brian Thomas

### **Publications**

**Acknowledged In:** Rodberg, Ellen M., Carolina R. den Hartog, Rachel I. Anderson, Howard C. Becker, David E. Moorman, and Elena M. Vazey. 2017. "Stress Facilitates the Development of Cognitive Dysfunction After Chronic Ethanol Exposure." *Alcoholism, Clinical and Experimental Research* 41 (9): 1574–83.

**Gladstone, Michelle,** and Elena M. Vazey. 2016. "New Pharmacological Approaches to Treating Non-

Motor Symptoms of Parkinson's Disease." Current Pharmacology Reports 2 (6): 253–61.

### **Poster Presentations**

Effects of Estradiol and Methamphetamine Exposure on Habit Formation in Rats (November 13, 2017)  
Hannah Schoenberg, Emily Sola, John Mlcuch, **Michelle Gladstone**, Ari Kirshenbaum, & Donna Toufexis  
Society for Neuroscience 47<sup>th</sup> Annual Meeting  
Walter E. Washington Convention Center, Washington, D.C.

Noradrenergic Modulation of Premotor Cortex During Decision Execution (November 12, 2017)  
Ellen M. Rodberg, Carolina den Hartog, **Michelle Gladstone**, & Elena M. Vazey  
Society for Neuroscience 47<sup>th</sup> Annual Meeting  
Walter E. Washington Convention Center, Washington, D.C.

Sex Differences in Habit Formation After Exposure to 240 Reinforcers (August 4, 2017)  
**Michelle Gladstone**, Hannah Schoenberg, Emily Sola, & Donna Toufexis  
Summer Neuroscience Undergraduate Research Fellowship Symposium  
University of Vermont, Burlington, VT

Noradrenergic Signaling Regulates Task-Related Behavior and Motivation in Female Rats (April 28, 2017)  
**Michelle Gladstone**, Ellen M. Rodberg, & Elena M. Vazey  
Massachusetts Statewide Undergraduate Research Conference  
University of Massachusetts Amherst, Amherst, MA

### **Grants & Fellowships**

Summer Neuroscience Undergraduate Research Fellowship (Summer 2017)  
Elucidating Sex Differences in Habit Formation After Exposure to 240 Reinforcers  
Dr. Donna Toufexis, University of Vermont

Commonwealth Honors College Research Assistant Fellowship (Spring 2017)  
Noradrenergic Signaling Regulates Task-Related Behavior and Motivation in Female Rats  
Dr. Elena Vazey, University of Massachusetts Amherst

### **Awards**

Dean's List (Fall 2014, 2015, 2016; Spring 2015, 2016, 2017)

### **Academic Affiliations**

General Member, Phi Beta Kappa Academic Honors Society (2017-Present)

General Member, Society for Neuroscience (2017-Present)

## **Relevant Courses**

Junior Fellows (Fall 2017, Spring 2018)

Life Science Seminar; Plan and Run a Research Symposium

Dr. Ana Caicedo, Dr. Tristram Seidler, & Dr. Craig Albertson

Upper-Level General Biochemistry Lab (Fall 2017)

PPP1CC Isolation and Purification from *E. coli*

Dr. Bryan Monesson-Olson & Erica Light, University of Massachusetts Amherst

Tropical Field Biology (Spring 2017)

Comparing Canopy Cover of Managed Cacao Plantations and the Forest of the Bladen Nature Reserve

Dr. Tristram Seidler & Dr. Adam Porter, University of Massachusetts Amherst

Honors Introduction to Research in Molecular Biology and Biochemistry (Fall 2014)

Quantification and Qualification of *sir2* Mutants in Yeast

Dr. Andrew Vershon, Rutgers University